Maria Koutraki

Personal Data

BIRTH PLACE/DATE:	Heraklion, Greece	20 February 1987
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Work Experience

2017–NOW | Senior Researcher (Postdoc), *FIZ-Karlsruhe Leibniz Institute, Karlsruhe Institute of Technology (KIT)*, Karlsruhe, Germany

2012 – 2016 | Junior Researcher (PhD student), *DAVID laboratory and ETIS laboratory, University of Paris-Saclay*, Paris, France

2008–2012 | Research Internship, *Laboratoire de Recherche en Informatique (LRI)*, Paris, France

2008–2012 | Research Assistant, *Information Systems Laboratory, Institute of Computer Science (ICS), Foundation for Research and Technology Hellas*, Greece

Teaching Experience

SPRING 2019 | Lecturer, *Foundations of Linked Data*, Institute for Computational Linguistics, University of Heidelberg, Master Level

This intensive course covers fundamental techniques to access, process and integrate data, both from a theoretical and practical perspective using the recommendations by the World Wide Web Consortium. The lecture sets out with a history of hypertext systems, followed from an introduction to web architecture and knowledge representation, including algorithms for query evaluation and deductive reasoning.

SPRING 2018 | Lecturer, *Information Service Engineering, MOOC lecture*, Hasso-Plattner Institute (HPI), B.Sc and Master Level

In this MOOC, the students learned the fundamentals of natural language processing as well as the basics of Linked Data-based knowledge representation and machine learning to enable the transition from unstructured data to machine processable knowledge.

MOOC Lecture

SPRING 2018 | Guest Lecture, *Information Service Engineering*, Karlsruhe Institute of Technology (KIT), Master Level

SPRING 2016 | Teaching Assistant, *Introduction to Web services*, University of Cergy-Pontoise, B.Sc Level

SPRING 2016 | Teaching Assistant, *Programming in C*, University of Cergy-Pontoise, B.Sc Level

WINTER 2015 | Teaching Assistant, *Advanced Data Bases*, University of Cergy-Pontoise, Master Level

WINTER 2015 | Teaching Assistant, *Android Programming*, University of Cergy-Pontoise, B.Sc Level

Teaching Assistant, *Calculus II,* University of Crete, B.Sc Level

Winter 2010 Teaching Assistant, *Programming,* University of Crete, B.Sc Level

Spring 2010 Teaching Assistant, *Data Structures,* University of Crete, B.Sc Level

Winter 2009 Teaching Assistant, *Introduction to Computer Science,* University of Crete, B.Sc Level

Education

Sept. 2016 PhD in Computer Science, **University of Paris-Saclay**, Paris, France
Thesis: "Approaches Towards Unified Models for Integrating Web Knowledge Bases"
Advisors: Prof. Dan Vodislav, Ass. Prof. Nicoleta Preda, Prof. Karine Zeitouni
Link to Thesis: Link

Sept. 2012 Master of Science in Computer Science
summa cum laude, **University of Crete**, Heraklion, Greece
Thesis: "Exploiting Semantic Web Technologies in the Management of a Smart Classroom"
Advisors: Prof. Dimitris Plexousakis, Prof. Grigoris Antoniou
Gpa: 9.0/10.0

Sept. 2009 Bachelor of Science in Computer Science
University of Crete, Heraklion, Greece
Gpa: 7.48/10.0

Scholarships

2012 - 2015 PhD scholarship from PATRIMA foundation (France)

2012 Laboratoire de Recherche en Informatique (LRI), Paris, France

2009 - 2012 Institute of Computer Science of Foundation for Research and Technology Hellas (ICS-FORTH)

Publications

1. **M. Koutraki**, F. Bakhshandegan-Moghaddam, H. Sack. Temporal Role Annotation for Named Entities. In International Conference on Semantic Systems (SEMANTiCS), (Full paper), 2018, Vienna, Austria

2. R. Biswas, **M. Koutraki**, H. Sack. Exploiting Equivalence to Infer Type Subsumption in Linked Graphs. In ESWC, (Poster paper), 2018, Heraklion, Greece

3. R. Biswas, R. Türker, F. Bakhshandegan Moghaddam, **M. Koutraki**, H. Sack. Wikipedia Infobox Type Prediction Using Embeddings. In DL4KGS@ESWC 2018, Heraklion, Crete

4. T. Tietz, F. Pichierri, **M. Koutraki**, D. Hallinan, F. Boehm, H. Sack. Digital Zombies - the Reanimation of our Digital Selves. In The Black Mirror@WWW The Web Conference (WWW) Companion Volume, 2018, Lyon, France

5. **M. Koutraki**, N. Preda, D. Vodislav. Online Relation Alignment for Linked Datasets. In ESWC, (Full paper), 2017, Portoroz, Slovenia

6. R. Türker, **M. Koutraki**, J. Waitelonis, H. Sack. Entity Suggestion Ranking via Context Hashing. In International Semantic Web Conference, (ISWC), (Posters paper), 2017, Vienna, Austria

7. **M. Koutraki**, N. Preda, D. Vodislav. SOFYA: Semantic on-the-fly Relation Alignment. In International Conference on Extending Database Technology (EDBT), (Poster paper), 2016, Bordeaux, France

8. **M. Koutraki**, D. Vodislav, N. Preda. Deriving Intensional Descriptions for Web Services. In International Conference on Information and Knowledge Management (CIKM), (Full paper), 2015, Melbourne, Australia

9. **M. Koutraki**, D. Vodislav, N. Preda. DORIS: Discovering Ontological Relations in Services. In International Semantic Web Conference, (ISWC), (Demo paper), 2015, Bethlehem, Pennsylvania

10. **M. Koutraki**, D. Vodislav, N. Preda. Mapping Web Services to Knowledge Bases. In National Conference, Bases des Données Avancés (BDA), 2015, Île de Porquerolles, France

11. **M. Koutraki**, D. Vodislav, N. Preda. DORIS: Discovering Ontological Relations in Services. In National Conference, Bases des Données Avancés (BDA), (best Demo award), 2015, Île de Porquerolles, France

12. N. Pernelle, F. Sais, B. Safar, **M. Koutraki**, T. Ghosh. Decouverte de liens d'identite entre instances decrites par des ontologies partiellement alignees. In National Conferenece on Plate-forme de l'intelligence Artificielle (PFIA), 2013, Lille, France

13. N. Pernelle, F. Sais , B. Safar, **M. Koutraki**, T. Ghosh. N2R-Part: Identity Link Discovery using Partially Aligned Ontologies. In International workshop on Open Data (WOD), 2013, Paris, France

14. **M. Koutraki**, V. Efthymiou, G. Antoniou. S-CRETA: Smart Classroom Real-Time Assistance. In Ambient Intelligence - Software and Applications, (ISAmi), 2012, Salamanca, Spain

Professional Activities

7.1 Student Supervision

| 2017–NOW | Supervising of two Master students and three PhD students at KIT and FIZ-Karlsruhe |

7.2   Conference and Workshops Chairs

- Poster and Demo Chair of SEMANTiCS 2018, International Conference on Semantic Systems 2018, Vienna, Austria

- Workshop Co-Chair of DL4KGS, 1st Workshop on Deep Learning for Knowledge Graphs and Semantic Technologies, co-located with ESWC 2018

7.3   Program Committees

- ESWC 2018, Research Track, 15th ESWC 2018

- RuleML+RR 2017, Doctoral Consortium, International Joint Conference on Rules and Reasoning 2017

- RuleML+RR 2017, International Rule Challenge, International Joint Conference on Rules and Reasoning 2017

- ICDE 2017, Research Track, 33rd International Conference on Data Engineering 2017 (sub-reviewer)

- K-CAP 2017, Research Track, 9th International Conference on Knowledge Capture 2017 (subreviewer)

- LDOW 2017, Workshop: Linked Data on the Web 2017 (subreviewer)

7.4   Invited Talks

| Oct 2016 | Maria Koutraki, "Approaches Towards Unified Models for Integrating Web Knowledge Bases", Telecom ParisTech, Paris, France. Invited by: Prof. Fabian Suchanek |
| June 2016 | Maria Koutraki, "Uniformly Accessing Online Datasets", LIRIS Research Lab, Lyon, France. Invited by: Prof. Angela Bonifati |

LANGUAGES

Greek:	Mother tongue
Englisch:	Fluent in writing and speaking
French:	Intermediate level (teaching in French)

INTERESTS AND ACTIVITIES

Semantic Web, Information Extraction, Ontology Alignment
Web Services, Semantic Data Management, Knowledge Representation
Machine Learning, NLP
Zumba, Yoga, Travelling